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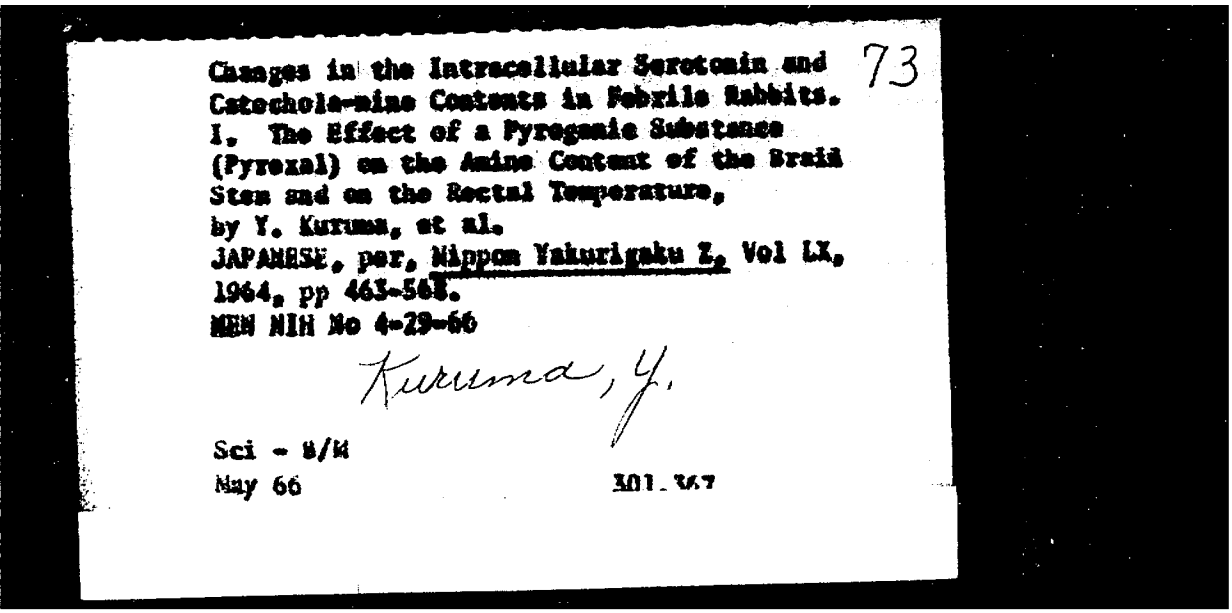

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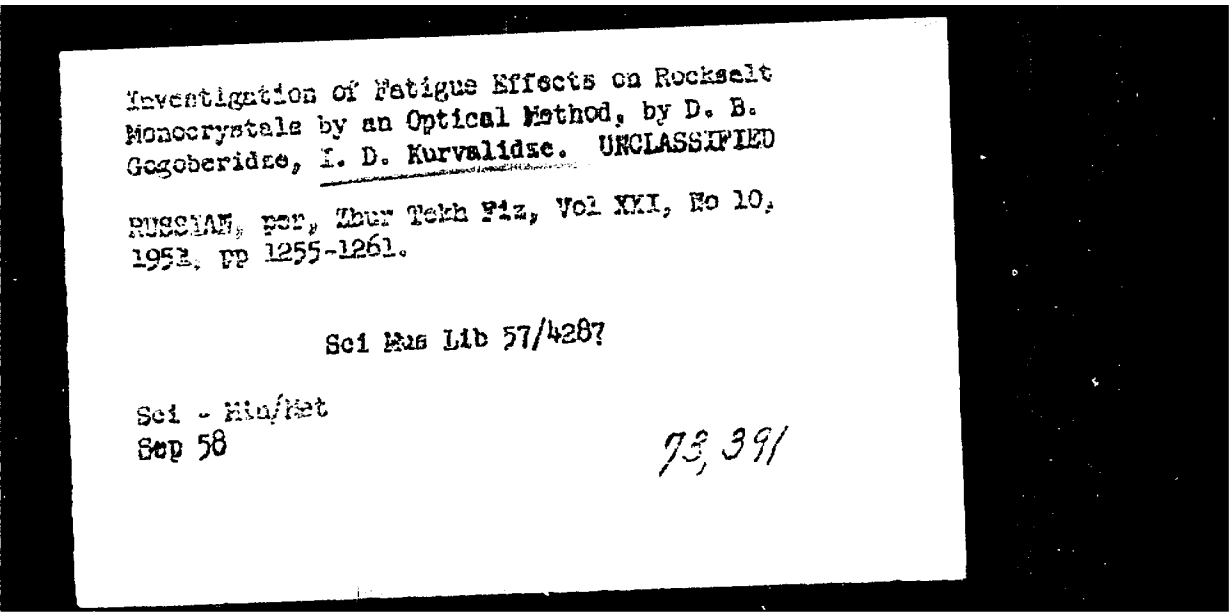

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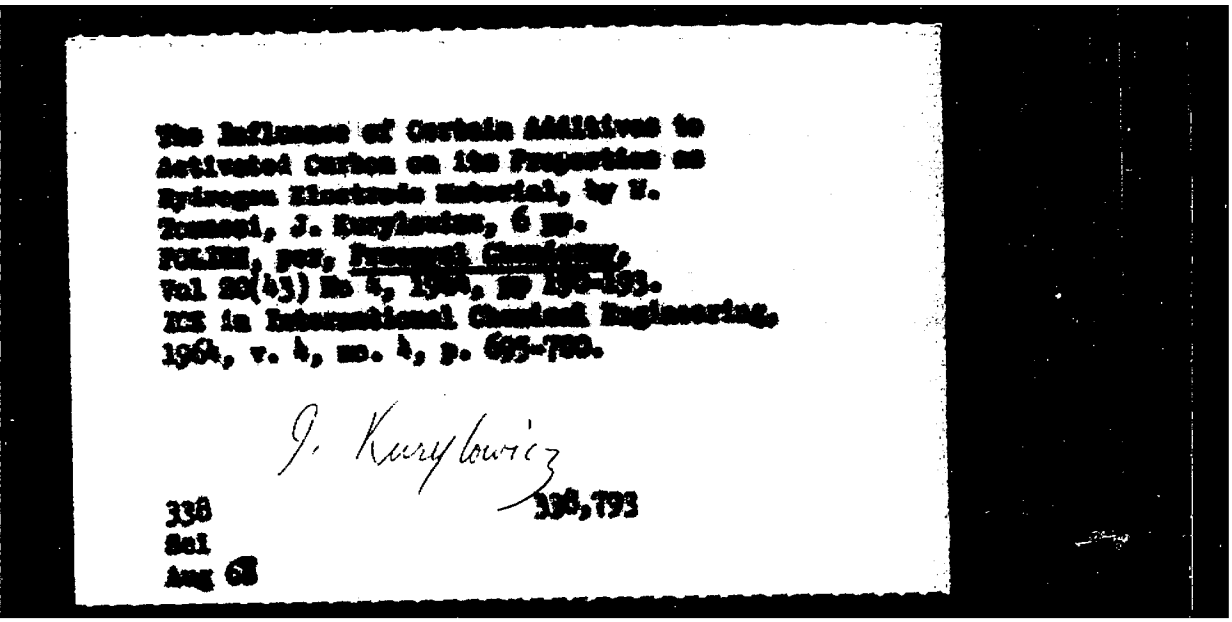

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DESCRIPTORS: *Glass, *Ceramic coatings, Surfaces, Vapor plating, Protective treatments, Heat treatment.

(Materials--Ceramics, TT, v. 11, no. 7)

TT-64-14061

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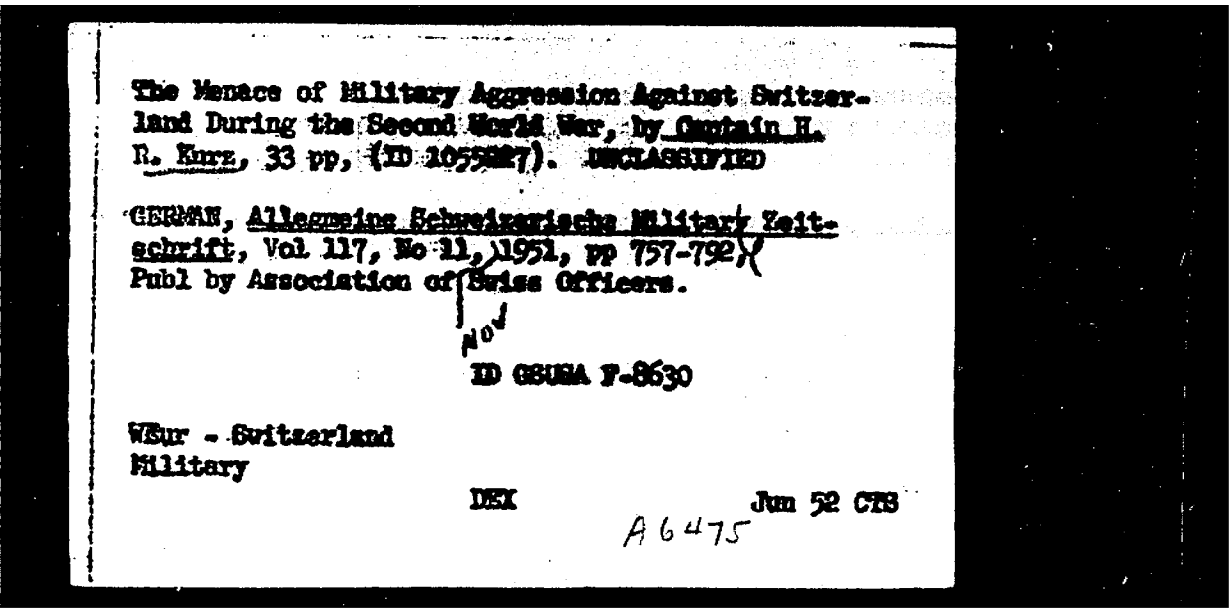

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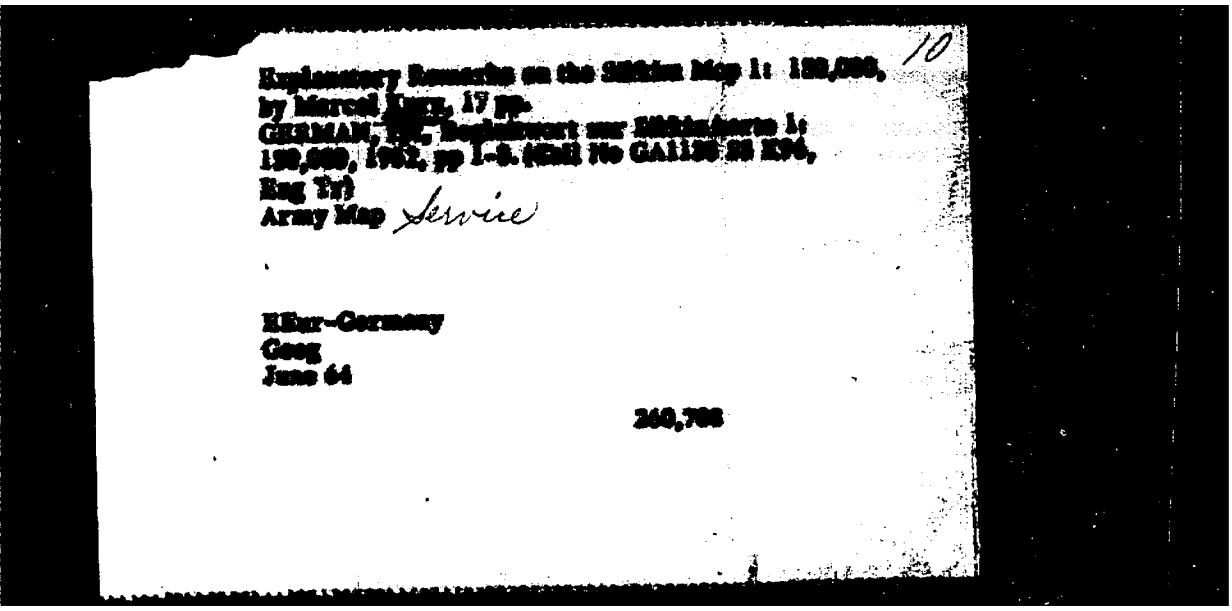

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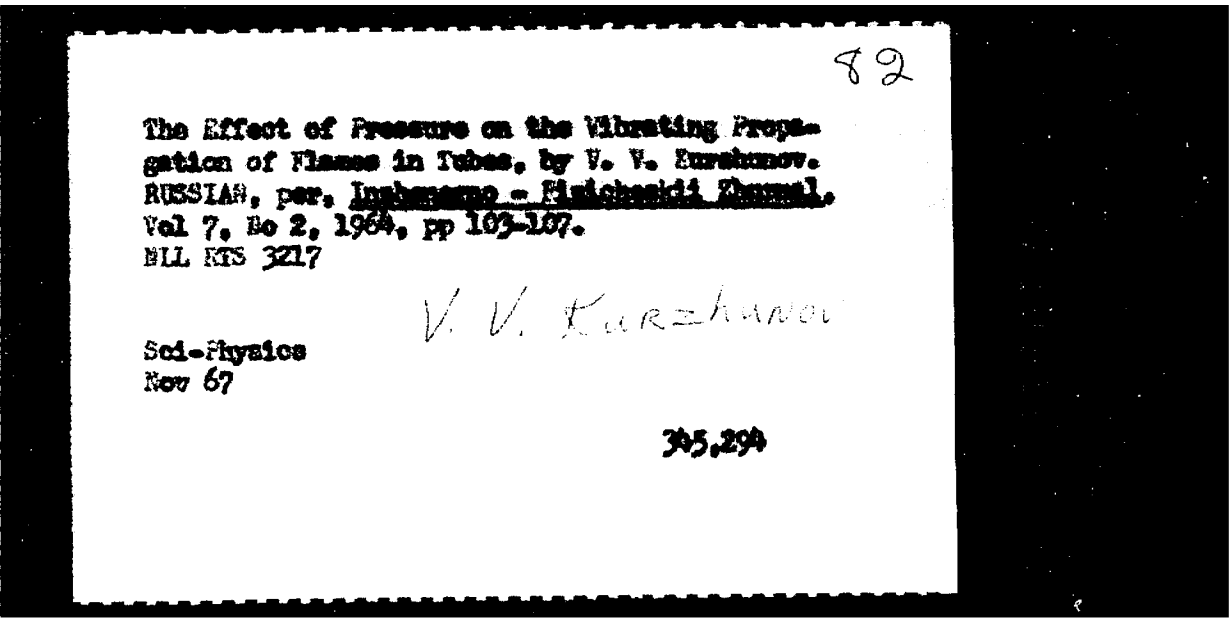

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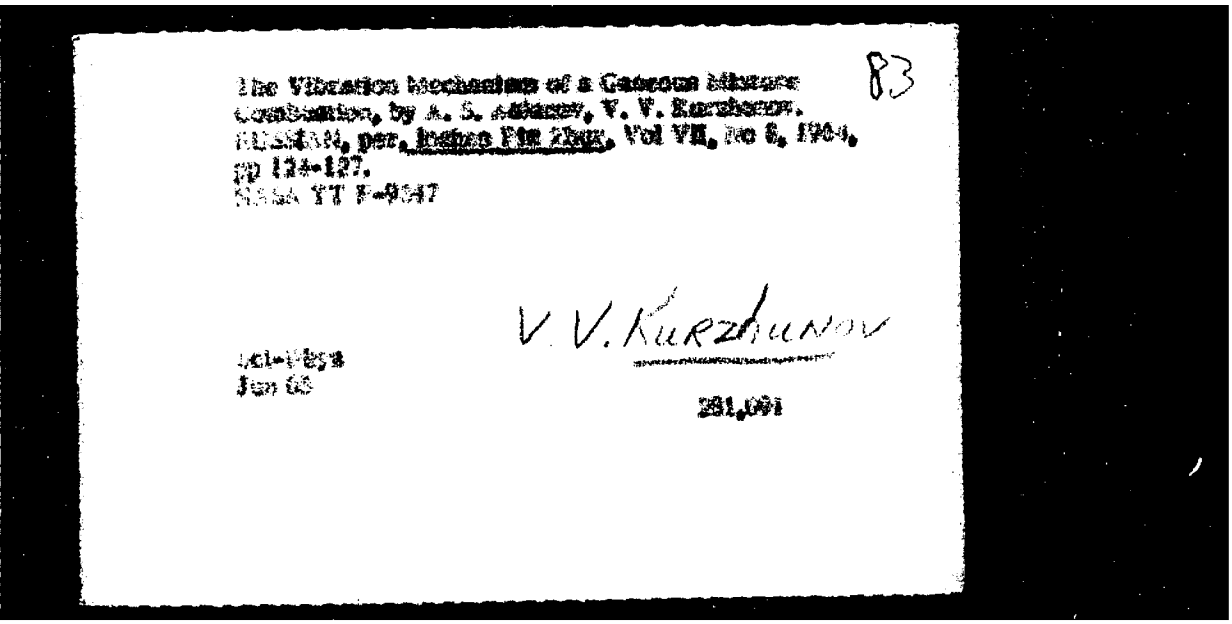

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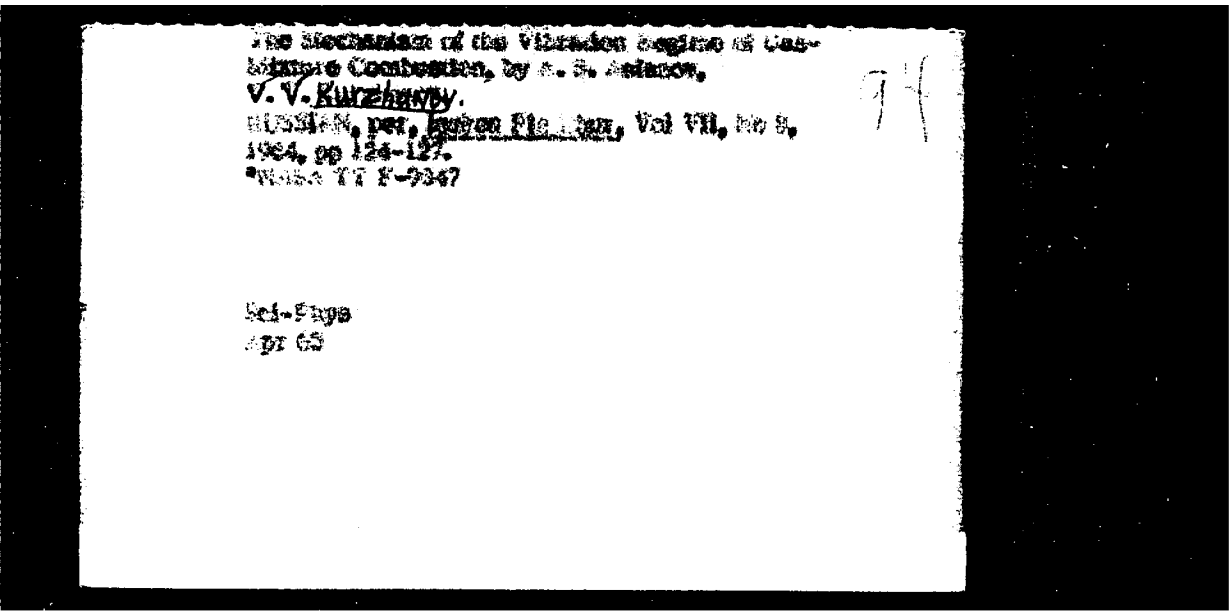

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JPRS 22703

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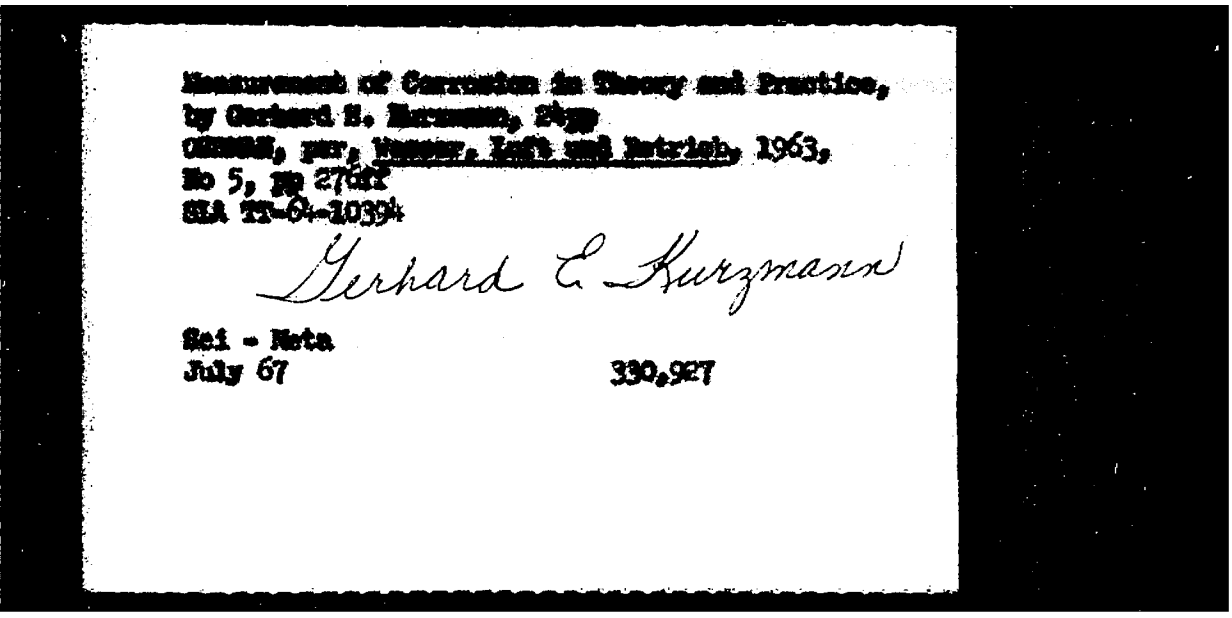

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Gerhard E. Kurzmann

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July 67 330.927

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Shipboard Steam and Gas Turbines, by A. G. Kurzon.
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On the Converses of Ljapunov's Theorem on Stability and Persidskii's Theorem on Uniform Stability, by Jaroslav Kurzweil, Ivo Vrkoc.

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On the Inversion of Ljapunov's Second Theorem on Stability of Motion, by Jaroslav Kurzweil.

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Sci-Math

Sep 63

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FTD-MT-24-172-67

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Acoustic Studies of a Thin Sandwich Construction Absorber, by G. Kurtze, K. G. Schwartz.
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G. Kurtze

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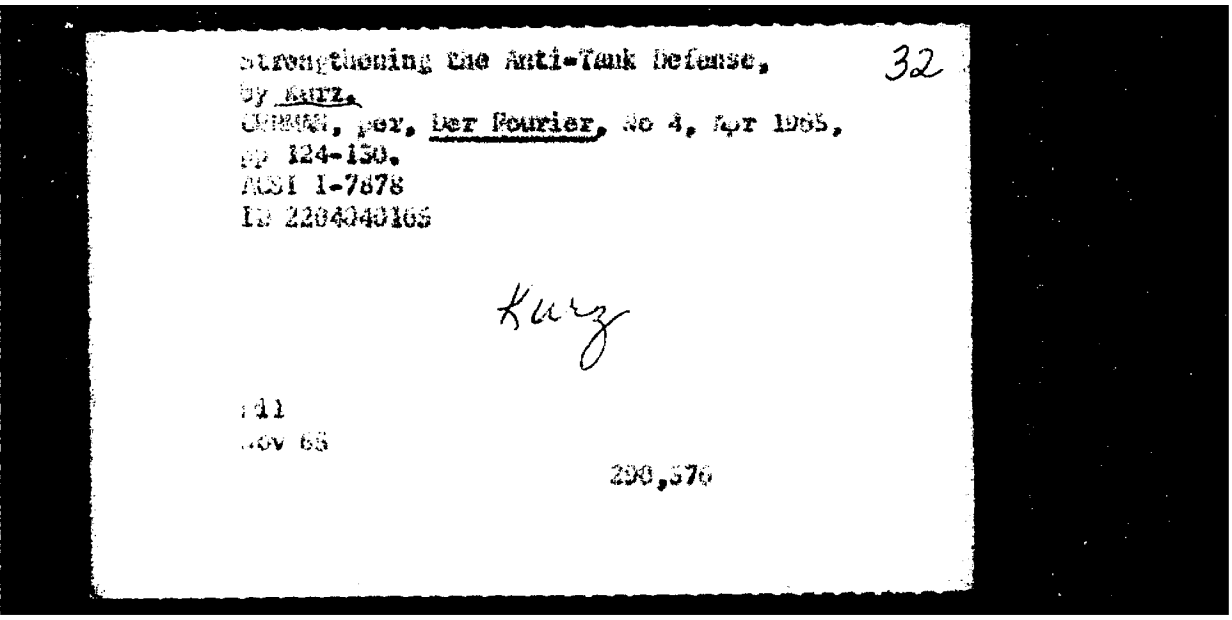

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Phosphating of Wire and Wire Rod Preparatory to Cold Drawing and Its Importance for the Wire Industry, by L. Kus.

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Sci - Chemistry 37,124

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OTS 63-11413/2
PL-480

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Measurement of the Conductivity of Semiconductors in the Centimetre-waveband, by M. Kusa, B. Kvasil, 14 pp.

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Sci 167,588

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Kusaka, Kazuji.
ALLOYS TO BE ADDED IN A LADLE TO MOLTEN STEEL. [1963] [6p] (foreign text included)
Order from OTS, SLA, or ETC $1.10 TT-64-10538

Trans. of Japanese patent specification publication Sho 32-6105, 10 Aug 57, appl. 26 Jan 56 as Sho 31-1827. (Abstract available)

DESCRIPTORS: *Steel, Melting, Liquid metals, Alloys, Additives, Mechanical properties,

The invention involves inoculants to be added, in a ladle, to molten metal, which consist of 7-20% Ca, 15-30% Cr, 32-56% Si, 10-22% Fe and impurities inevitably mixed in them. (Author)

(Metallurgy, TT, v. 11, no. 9)

TT-64-10538

I. Kusaka, K.
II. Patent (Japan) pub. 32-6105

4639

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Kusaka, Kazuji.
ALLOYS TO BE ADDED IN A LADLE TO MOLTEN METAL. [1963] [5p] (foreign text included)
Order from OTS, SLA, or BTC $1.10 TT-64-10539

Trans. of Japanese patent Specification publication ShO 32-6104, 10 Aug 57, appl. 21 Jan 56 as Sho 31-1364.

DESCRIPTORS: Metals, Melting, *Liquid metals, Alloys, Additives, Mechanical properties, (Abstract available)

The invention involves inoculants to be added, in a ladle, to molten metal, which consist of 6-20% Ca, 20-40% Mn, 35-55% Si, 6-20% Fe and impurities which are inevitably mixed in them. (Author)

(Metallurgy, TT, v. 11, no. 9)

TT-64-10539

I. Kusaka, K.
II. Patent (Japan) pub. 32-6104

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

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HB 6385

R. Kusaka

FE-Japan
Sci/Mfg-M
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Experiments to See the Effect of Color and Its Depth on the Driving Rat by the Centralized Method, by T. Kusaka.

JAPANESE, per, Bulletin of the Japanese Society of Scientific Fisheries, Vol XXIII, No 12, 1958, pp 766-769.

Dept of Int
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Studies on the Preparation of Agar-Agar from Gracilaria Confervoides. Pt. 5 Manufacture of Crude Agar-Agar from Gracilaria Confervoides on an Industrial Scale, by T. Kojima, J. Kusakabe, 5 pp.
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ATS-64T90J

Kusakabe, J.

Sci - Biol
Jul 66 305,311

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

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Flotation of the Products of Deoxidation [Of Steel] with Calcium Silicide, by Y. Watanabe and T. Kusakawa

JAPANESE, per, Tetsu to Hagane, Vol 54, No 4, 1963, pp 335-340.

HB 7475

Sci-Materials
Nov 68

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T. Kusakawa

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Evaluation of Reports Entitled: Structural Diagram of Iron Sulfide-Nickel Sulfide-Cobalt Sulfide, by N. A. Anisheva, P. S. Kusakin. UNCL

RUSSIAN, per, Zhur Neorg Khim, Vol III, No 4, Apr 1958, pp 915-923.

ATIC F-TS-9578/V

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Structural Diagram of the Fe-Ce-S-System, by N. G. Moleva, P. S. Kusakin, Ye. A. Vetrenko, N. P. Diyev. UNCL.

RUSSIAN, per, Zhur Neorg Khim, Vol III, No 4, Apr 1958, pp 904-910.

ATIC F-TS-9578/V

Sci - Chem

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Mineralogic Mak-up of Fluxed Sinters, by N. G. Moleva, P. S. Kusakin.

RUSSIAN, per, Stal', Vol XVII, No 12, 1957, pp 1068-1071.

Brutcher Tr 4142
$6.90

Sci - Min/Met

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Variation in Charge Composition Along the Height of a Nickel Smelting Shaft Furnace With a Blast Containing 40% Oxygen, by N. G. Moleva, P. S. Kusakin, et al, 5 pp.

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

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Crystallization of Melts in the System $FeS-Cu_2S$, by
N. S. Moleva, P. S. Kusakin, E. A Vetrenko, N. P. Diev.
4 pp.

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Sci - Chem

Dec 58

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Electron-Induced Conductivity of Thin Films of PbS, Bi_2S_3, and CdS Activated by Copper (1960), 7 pp., by B.P. Kozyrev, V. F. Kusakin.

RUSSIAN, per, Iz Vysshikh Uchebn Zaved, Fiz, 1959, No 3, pp 16-22. CIA 9071223 7092925

MDF K-210

Sci

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Thermoresistance of Muscles in Several Representatives of the Atlantic Salmon and Trout, by A. A. Kusakina, 6 pp.

RUSSIAN, bk, Voprosy Tsitologii i Protistologii, Sbornik Rabot, 1960.

OTS 61-31010
PL-480

Sci

Jun 62

197,681

PST 545

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

(DC-6994)

THERMAL STABILITY OF MUSCLES AND CHOLINESTERASE OF MUSCLE HOMOGENATES IN CARASSIUS FROM HOT SPRINGS AND COMMON BODIES OF WATER, BY A. A. KUSAKINA, 9 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIV, NO 5, 1962, PP 1160-1162.

JPRS 15088

SCI - MEDICINE

SEP 62

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

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Temperature Dependence of the Cholinesterase Activity Reduction Rate in Liver Homogenates of Grass and Lake Frogs, by A. A. Kusakina. 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 6, 1961, pp 1258-1261.

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(NY-5502)

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JPRS 7680

Sci

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

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(NY-5502)

Portable Stimulator for Field Work, by V. E. Arzumanov, A. A. Kusakina, 3 pp.

RUSSIAN, per, Teitologiya, Vol II, No 4, 1960.

JPRS 7680

Sci

Feb 61

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

(NY-3158)

Changes in the Light-Transmitting Properties of the Dermo-Sternal Muscle of Frogs Under the Effects of Various Modifying Influences, by A. A. Kusakina, 17 pp.

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JPRS 2714

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Sci - Biol

Jun 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

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S-5229 (NY-2637).

Cytophysiological Investigation of Muscle Tissue in Certain Interspecies Fish Hybrids After Heterosis, by A. A. Kusakina, 15 pp.

RUSSIAN, per, Tsitologiya, Vol I, No 1, 1959, pp 111-119.

S
JPRS-1802-N

Sci - Med, Cytology
Aug 59

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Experimental Study of Surface Solvation in Developing a Mathematical Theory of Stable Lyophilic Colloids, by B. Deryagin, M. Kusakov, 52 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat i Yestestvennikh Nauk, 1937, pp 1119-1150.
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FTD-TT-62-1564

232,446

Sci-Phys
Jun 63

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Kusakov, M. and Krym, K.
A CHARACTERISTIC OF THE MECHANICAL PROPERTIES OF LIQUIDS OBTAINED BY BLOWING OFF RADIALLY A LIQUID LAYER IN A PLANE PARALLEL SLIT. [1961] 7p. 5 refs.
Order from OTS or SLA $1.10 61-20155

Reprint of Acta Physicochimica U. R. S. S., 1945, v. 20, p. 548-566.

DESCRIPTORS: *Lubrication, *Oils, Liquids, Fluids, Mechanical properties.

(Unannounced)

61-20155

I. Kusakov, M.
II. Krym, K.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Kusakov, M., Prokof'eva, E., and Faingiza, E. PHYSICAL CHEMISTRY OF SURFACE PHENOMENA IN OIL TECHNOLOGY. III. WASHING OFF UKHTA OIL FROM THE NATURAL ROCKS. [1961] 11p. 5 refs.
Order from OTS or SLA $1.60 61-16831

Trans. of Akademiya Nauk SSSR. Otdeleniie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 5, p. 49-58.

DESCRIPTORS: *Oils, Recovery, USSR. *Petroleum industry, Wetting agents, Surface properties, Rock, Physical chemistry.

The most production of oil from the Ukhta field can be obtained by washing off the oil with weak solutions of alkali, such as soda, sodium hydroxide or potassium hydroxide. Measuring the surface tension of the aqueous alkali extracts revealed that there is no reason to fear that the Ukhta oil will be leached out by the alkaline (Chemistry--Physical, TT, v. 6, no. 6) (over)

61-16831

I. Kusakov, M.
II. Prokof'eva, E.
III. Faingiza, E.
IV. Title: Washing...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Surface Activity of Crude Oils and Their Components, by V. G. Gutsalyuk, M. M. Kusakov, 10 pp.

RUSSIAN, per, Seriya Khim Ak Nauk Kazakh SSSR, Vol VIII, N 1955, pp 122-132.

ATS-20 M44R

Sci

203,257

Jun 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Kusakov, M.M. and Gudok, N.S.
INFLUENCE DES PRESSIONS EXTÉRIEURES SUR LES PROPRIÉTÉS DE FILTRATION DES ROCHES PÉTROLIFÈRES (Influence of External Pressure on Filtration Properties of "Oil-bearing Rocks" 17p. 15refs CNRS-XXV 344.
Order from OTS, ETC or CNRS $0.80 TT-62-26726

Trans. in French of Neftyanoe Khozyaistvo (USSR) 1958, v.36, no.6, p.40-47.

DESCRIPTORS: *Petroleum, *Rock (Geology), Pressure, Filtration, Mechanical properties, Elasticity, Plasticity, Compressive properties, Irreversible processes.

(Materials--Fuels, TT, v. 11, no. 6)

TT-62-26726

I. Kusakov, M.M.
II. Gudok, N.S.
III. CNRS-XXV 344
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Method for Studying of Petroleum Displacement by Water in a Porous Medium, by I. M. Koshaleva, M. M. Kusakov, 14 pp.

RUSSIAN, per, Trudy Moskovskiy Neftyanyy Institut, Vol XXII, 1958, pp 142-157.

SLA 60-18748

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

121

Investigation of the Interfacial Tension of Crude Oils at the Gas-Phase Boundary as a Function of Pressure and Temperature, by M. M. Kusakov, etal,
RUSSIAN, per, Tr. Mosk. Neft. Inst., No 14, 1955, pp 115-134.
ATS 58-4515

M. M. Kusakov

Sci-
Apr 67

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Kusakov, M. M.
DEPENDENCE OF THE VISCOSITY OF LUBRICATING OILS CONTAINING ADDITIVES UPON THE CONCENTRATION OF THE LATTER AND THE TEMPERATURE. [1961] 13p. 10 refs.
Order from OTS or SLA $1.60 61-18212

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1944, p. 672-684.

DESCRIPTORS: *Lubrication, *Oils, *Lubricant additives, Viscosity, Temperature.

Changes in the viscosity of several samples of lubricating oils were studied at various temperatures with the aid of a universal thermocryostat, produced by adding one of three additives of high viscosity and by diluting the oil with gasoline. The additives included paratone, superol and vinipol. An exponential inter-

(Materials--Lubricants, TT, v. 6, no. 6) (over)

61-18212

I. Kusakov, M. M.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Kusakov, M. M. and Zinchenko, K. E.
PHYSICAL CHEMISTRY OF SURFACE PHENOMENA IN OIL TECHNOLOGY. II. MOLECULAR SURFACE PROPERTIES OF OILS. [1961] 10 p. 19 refs.
Order from OTS or SLA $1.10 61-16832

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 4, p. 19-38.

DESCRIPTORS: *Oils, USSR, Physical chemistry, Molecules, Surface properties, *Petroleum industry, Recovery.

The surface tension of ten crude oils from the most important Soviet fields and of their solutions in non-polar medicinal oil and non-polar gasoline at the interface with water were determined as a part of an investigation of molecular surface characteristics of crude oils. The surface tension of aqueous and aqueous-alkali extracts of these oils at the boundary with air were also determined. These measurements revealed
(Chemistry--Physical, TT, V. 6, no. 6) (over)

61-16832

I. Kusakov, M. M.
II. Zinchenko, K. E.
III. Title: Molecular...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100090020-0

Kusakov, M. M. and Mekenitskaya, L. I.
INVESTIGATION OF THE STATE OF BOUND WATER IN OIL RESERVOIRS. [1963] 17p.
Order from OTS or SLA $1.60 63-16994

Trans. of mono. Issledovaniya v Oblasti Poverkhnostnykh Sil: Sbornik Dokladov na Konferentsii po Poverkhnostnym Silam, Apr 60 (Investigations in the Field of Surface Forces: Collection of Reports Made at the Conference on Surface Forces, April 1960) Moscow, 1961, p. 17-26.

DESCRIPTORS: *Geochemistry, Water, Surface properties, Films, *Oils, Models (Simulations), Electrolytes, Solutions, Porous materials, *Hydraulic accumulators, Moisture.

The conditions under which aqueous solutions can exist in the form of multimolecular wetting layers, and the (Earth Sciences--Geology, TT, v. 10, no. 9) (over)

63-16994

I. Title: Bound water
I. Kusakov, M. M.
II. Mekenitskaya, L. I.
III. Title: Sbornik ...
IV. Title: Investigations ...
V. Title: Collection ...
VI. Title: Konferentsii ...
VII. Title: Conference ...

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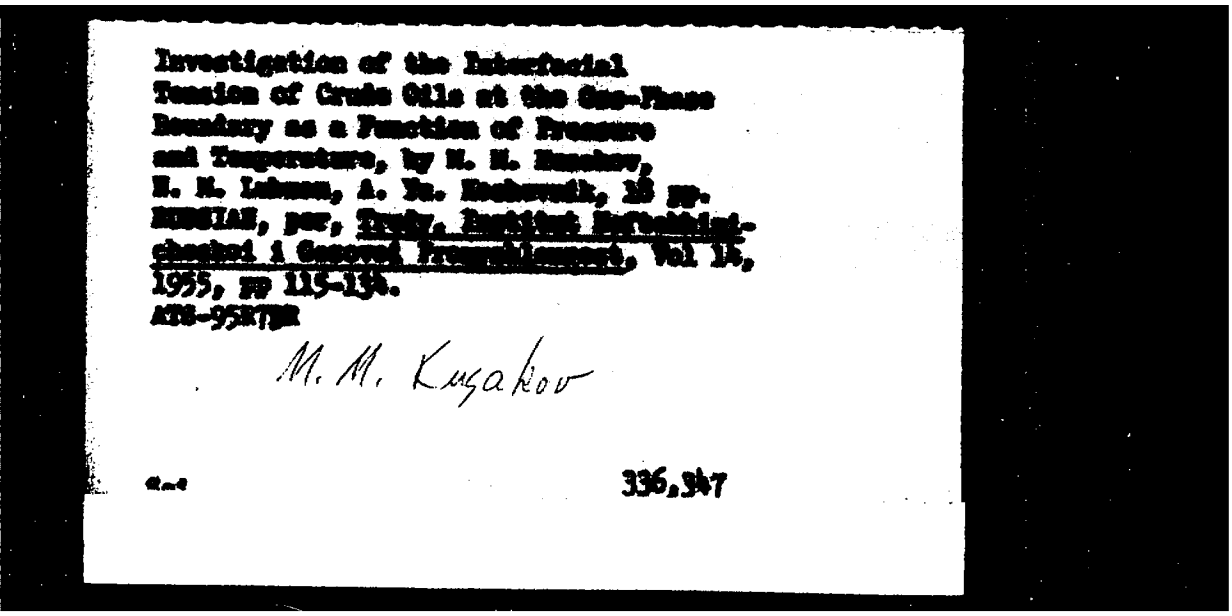

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